

Mapping

Spreading code				Selected spreading -code data (m = 2 bits)
A	B	C	D	
1	0	0	0	0 0
0	1	0	0	0 1
0	0	1	0	1 0
0	0	0	1	1 1

Number of assignment spreading code = 4  
Coding scheme = "multiple number is fixed to 1"

FIG. 1

Mapping

Spreading code				Selected spreading -code data (m = 4 bits)
A	B	C	D	
0	0	0	0	0 0 0 0
1	0	0	0	1 0 0 0
0	1	0	0	0 1 0 0
0	0	1	0	0 0 1 0
0	0	0	1	0 0 0 1
1	1	0	0	1 1 0 0
1	0	1	0	1 0 1 0
1	0	0	1	1 0 0 1
0	1	1	0	0 1 1 0
0	1	0	1	0 1 0 1
0	0	1	1	0 0 1 1
1	1	1	0	1 1 1 0
1	1	0	1	1 1 0 1
1	0	1	1	1 0 1 1
0	1	1	1	0 1 1 1
1	1	1	1	1 1 1 1

Number of assignment spreading code = 4  
Coding scheme = "multiple number is not fixed"

FIG. 2

First candidate				
Number <u>k</u> of assignment spreading codes (per one mobile station)	4	8	12	16
Coding scheme				
Multiple number is not fixed	6	12	16	20
Multiple number is fixed to 6			15	19
Multiple number is fixed to 4		10	12	14
Multiple number is fixed to 2	4	6	8	8
Multiple number is fixed to 1	3	4	4	5
Error-correcting-coding scheme A	2	3	3	4
Error-correcting-coding scheme B	1	2	2	3

FIG. 3

First candidate				
Number <u>k</u> of assignment spreading codes (per one mobile station)	4	8	12	16
Coding scheme				
Multiple number is not fixed	-1.5	-1.0	-0.5	0
Multiple number is fixed to 6			-3.0	-1.0
Multiple number is fixed to 4		-5.0	-3.2	-2.0
Multiple number is fixed to 2	-8.0	-7.0	-4.5	-4.0
Multiple number is fixed to 1	-8.5	-7.5	-7.0	-6.0
Error-correcting-coding scheme A	-13.0	-11.0	-10.0	-9.0
Error-correcting-coding scheme B	-18.0	-15.0	-14.0	-12.0

FIG. 4

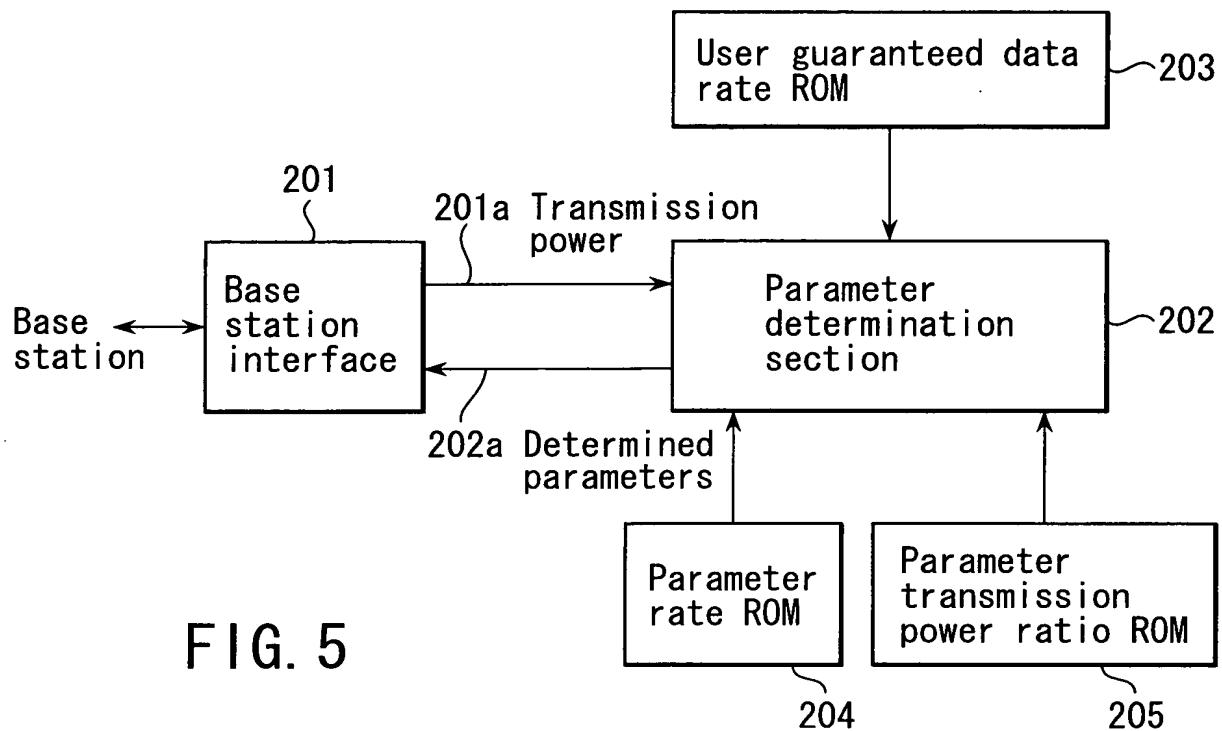


FIG. 5

Communication service	User guaranteed data rate
Mail	3
Still picture	5
Moving picture	10

FIG. 6

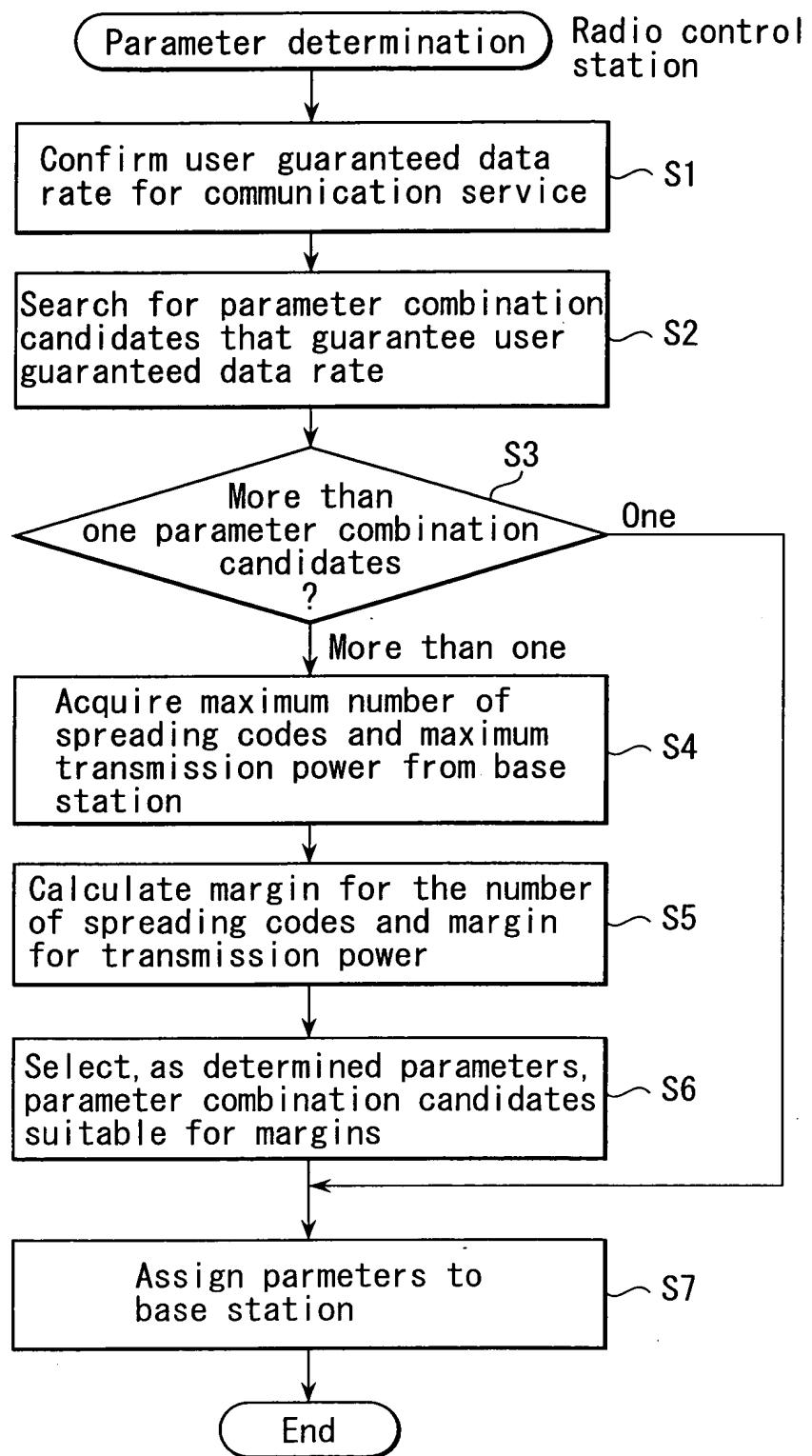


FIG. 7

FIG. 8A

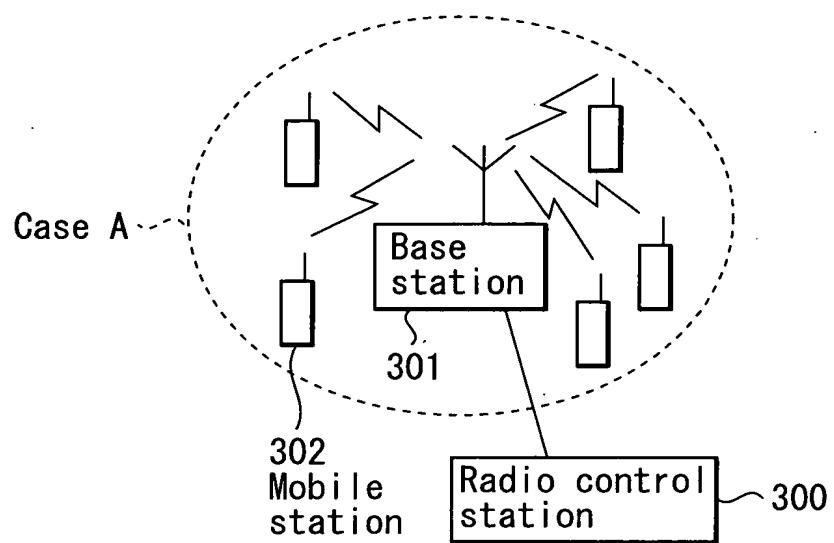
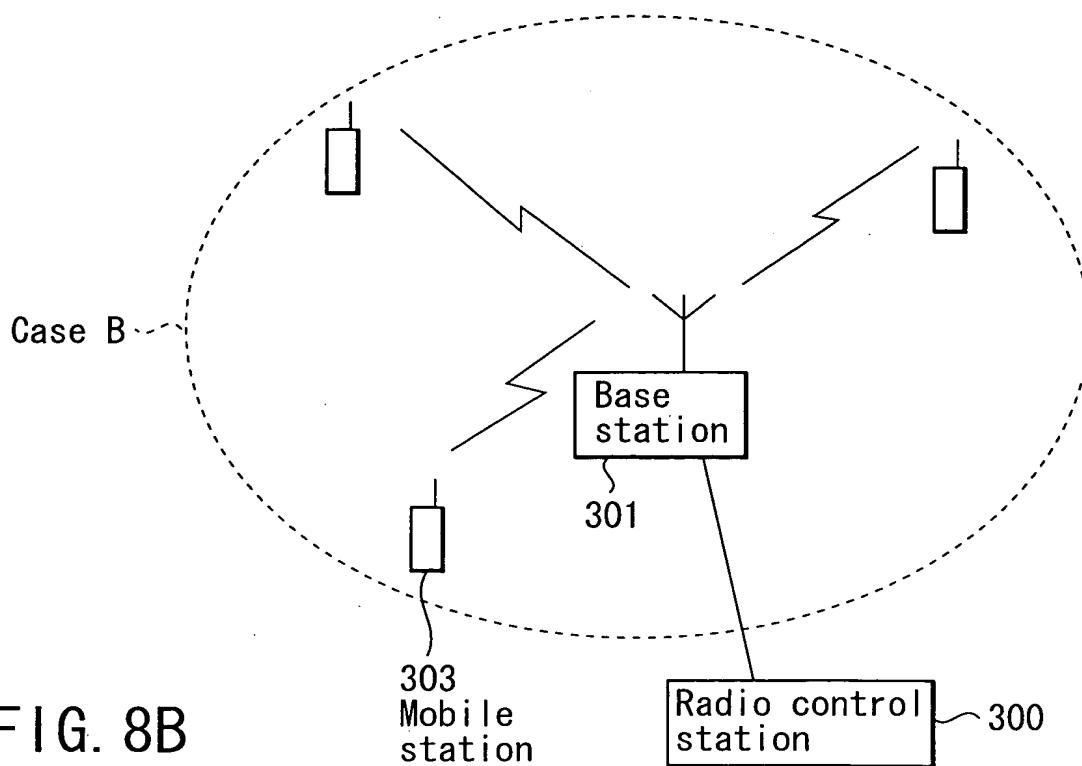


FIG. 8B



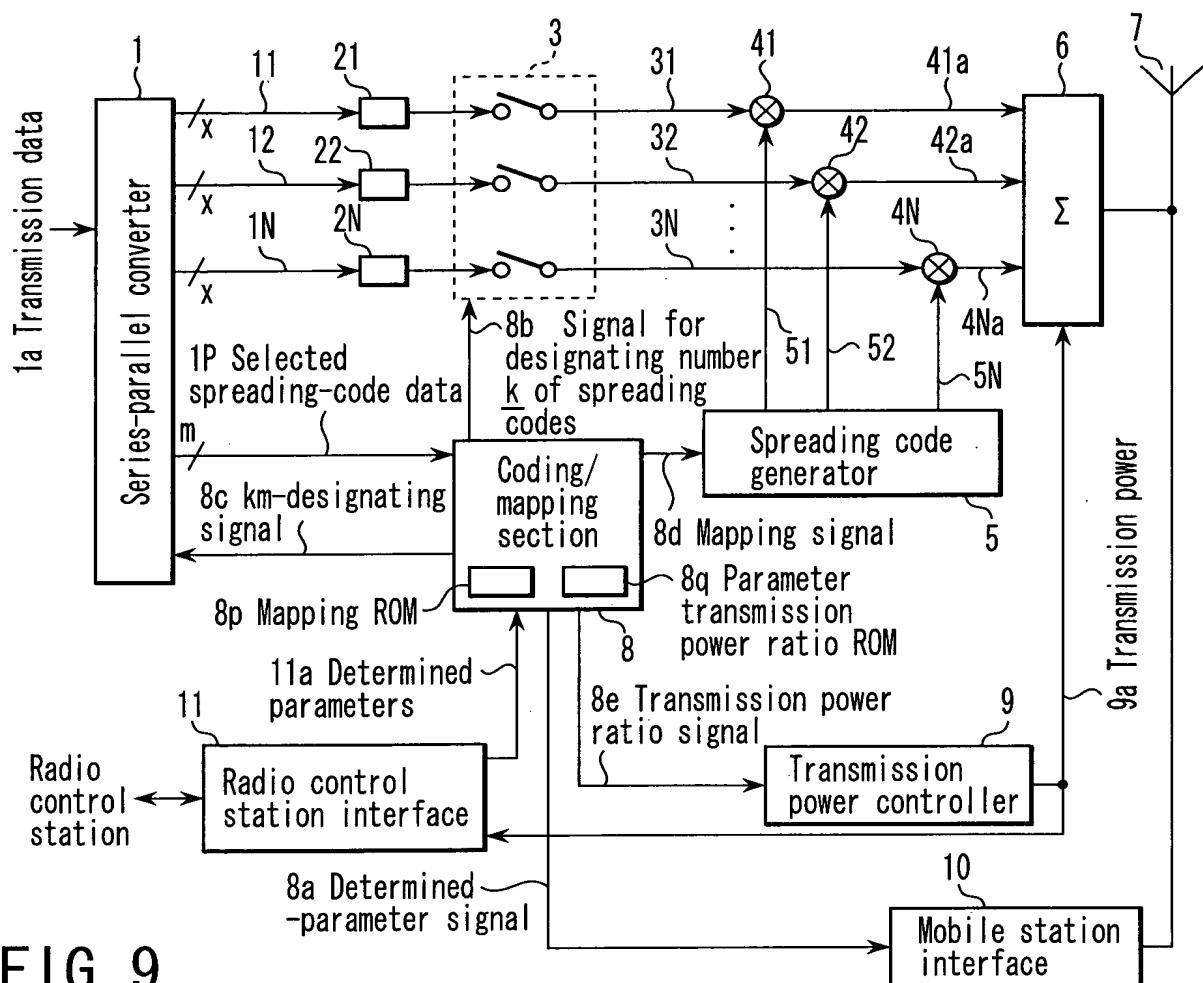


FIG. 9

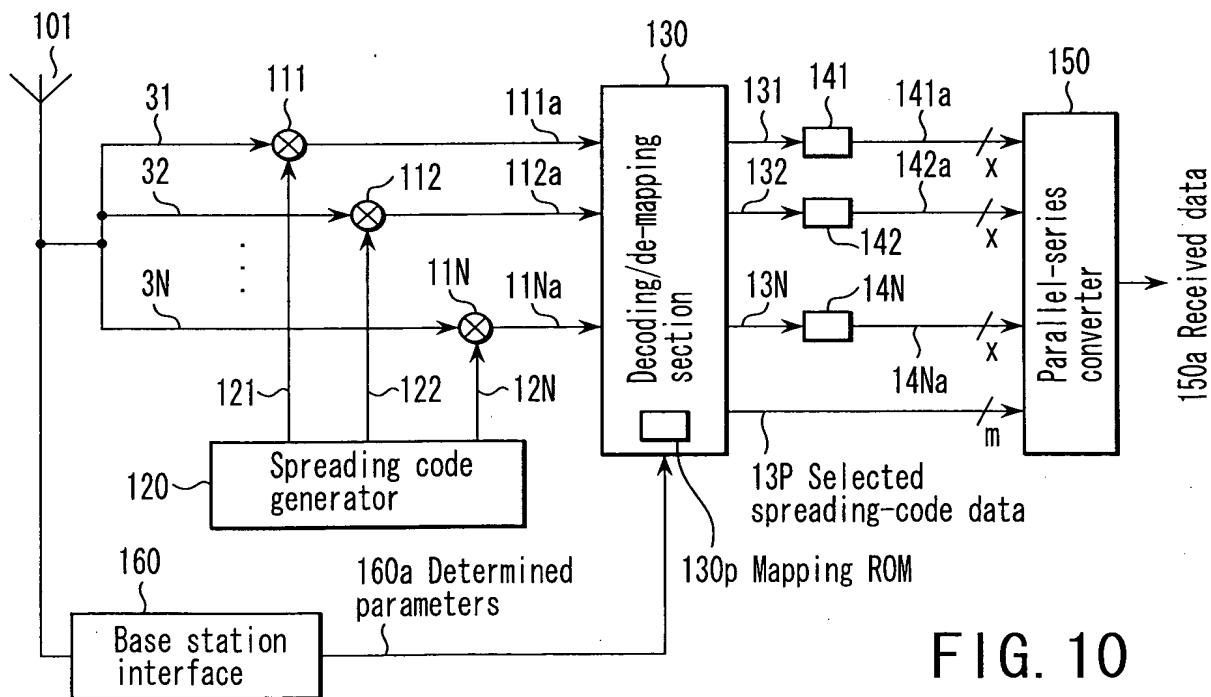


FIG. 10

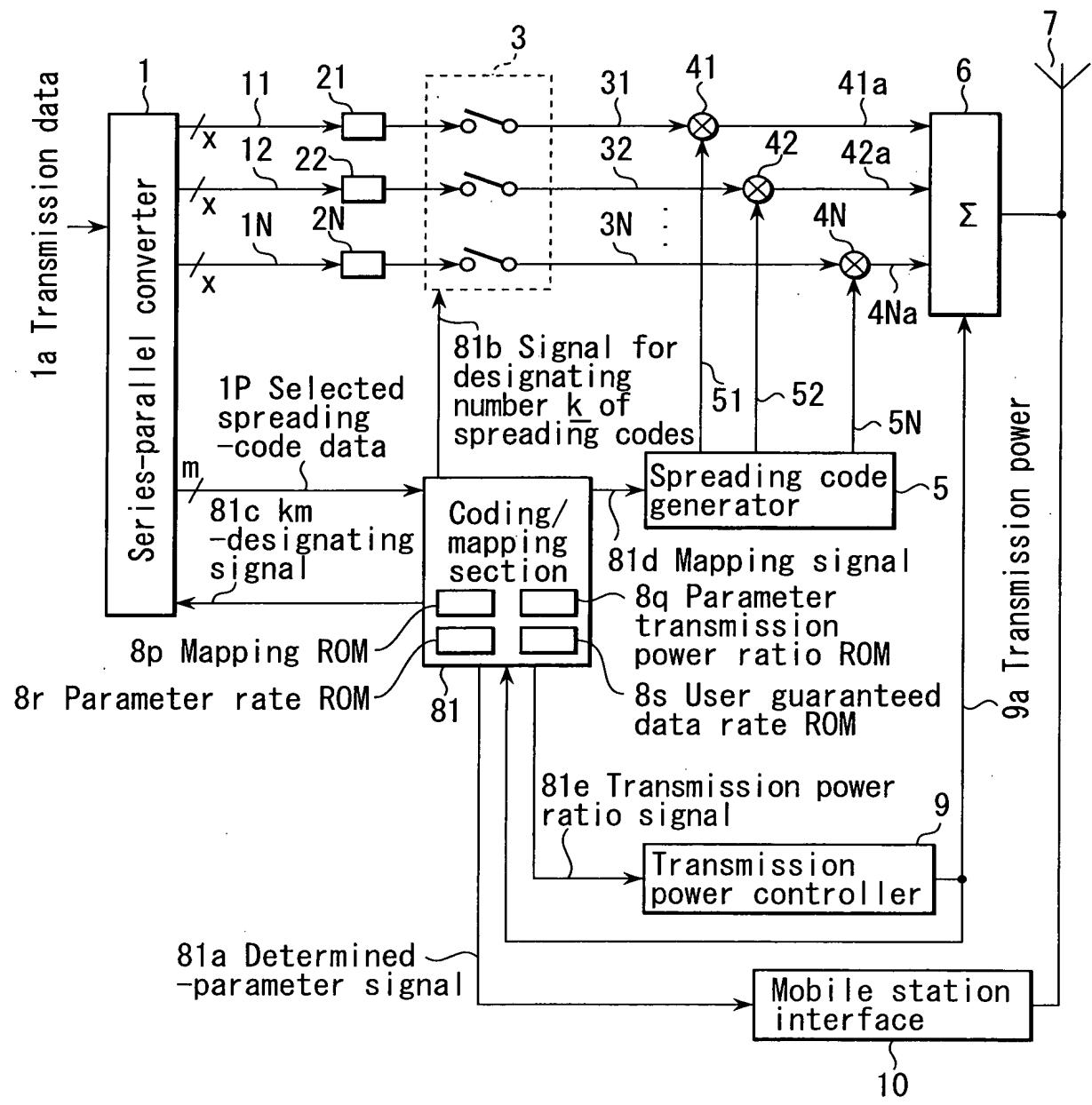


FIG. 11

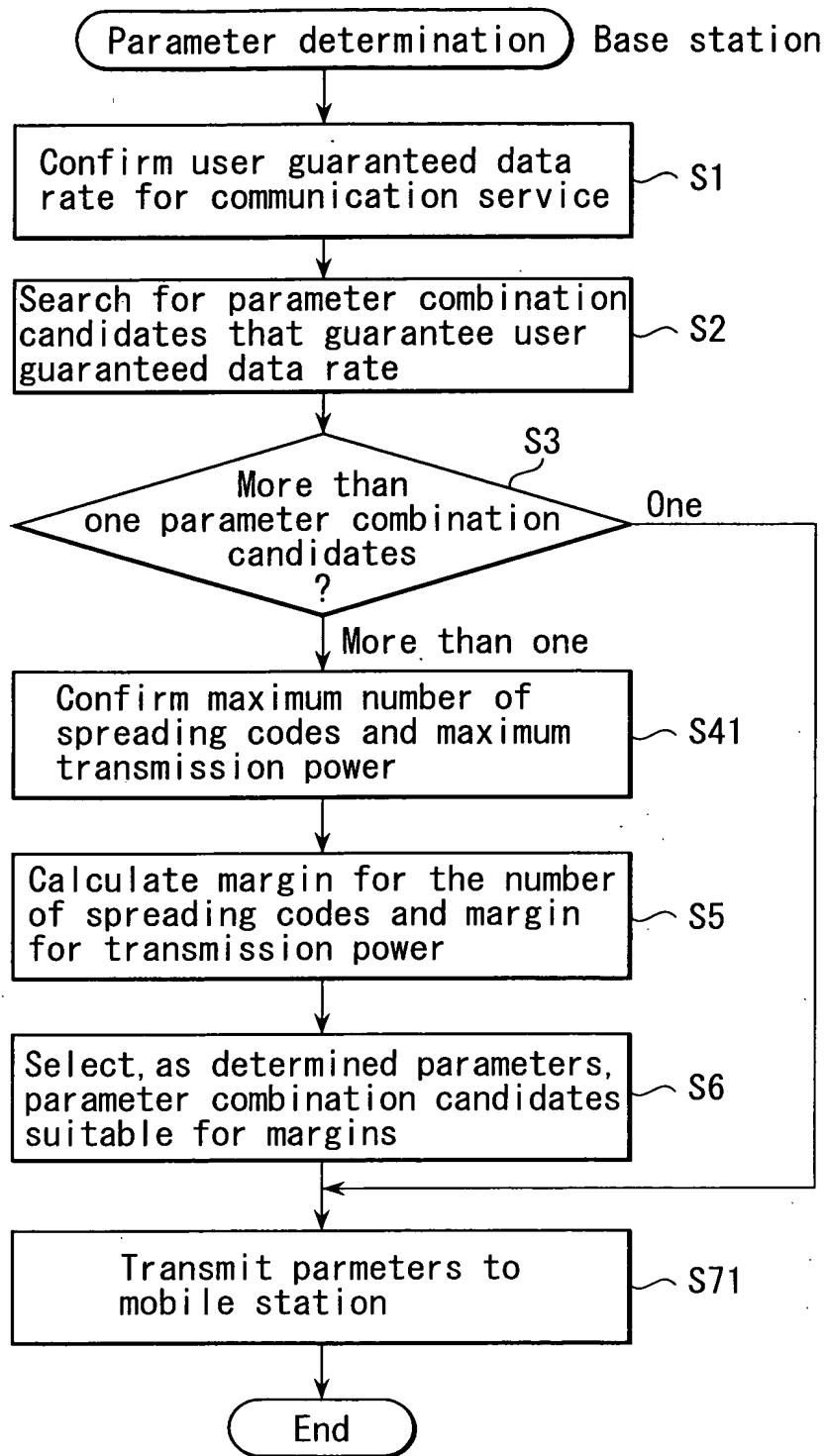


FIG. 12